

## CAMSHAFT TIMING OIL CONTROL VALVE ASSEMBLY

### ON-VEHICLE INSPECTION

#### 1. INSPECT CAMSHAFT TIMING OIL CONTROL VALVE ASSEMBLY

- (a) Connect the intelligent tester or OBD II scan tool to the DLC3.
- (b) Turn the ignition switch ON.
- (c) Start the engine and warm it up.
- (d) Connect the intelligent tester and select the VVT from the ACTIVE TEST menu.
- (e) Check the engine speed when the OCV is operated by the intelligent tester.

#### Standard:

VVT system is OFF (OCV is OFF):

Normal engine speed

VVT system is ON (OCV is ON):

Rough idle or engine stalled

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## INSPECTION

### 1. INSPECT CAMSHAFT TIMING OIL CONTROL VALVE ASSEMBLY

#### (a) Resistance inspection.

- (1) Using an ohmmeter, measure the resistance between the terminals.

#### Resistance:

**6.9 to 7.9 Ω at 20°C (68°F)**

#### (b) Movement inspection.

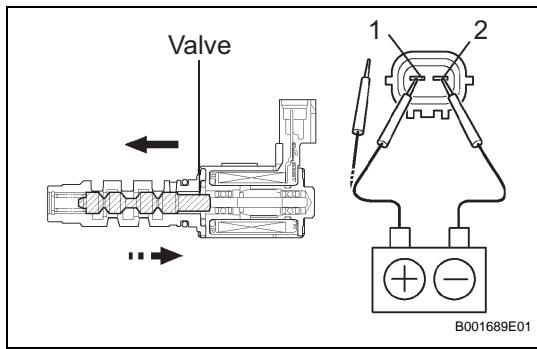
- (1) Connect the positive (+) lead from the battery to terminal 1 and negative (-) lead to terminal 2, and check the movement of the valve.

#### NOTICE:

**Confirm the valve moves freely and does not stick in any position.**

#### HINT:

Bad returning of the valve by catching foreign objects causes subtle pressure leak. The subtle pressure leak will cause the cam to advance, and this condition will set a DTC.



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